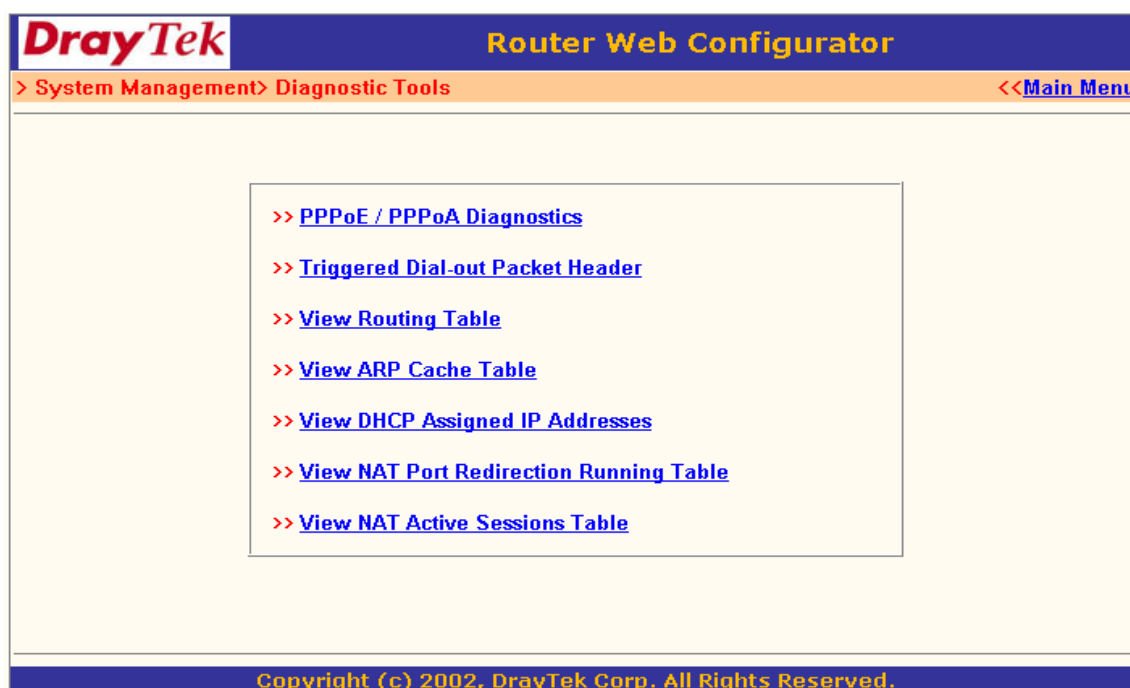


# Diagnostic Tools

## Introduction

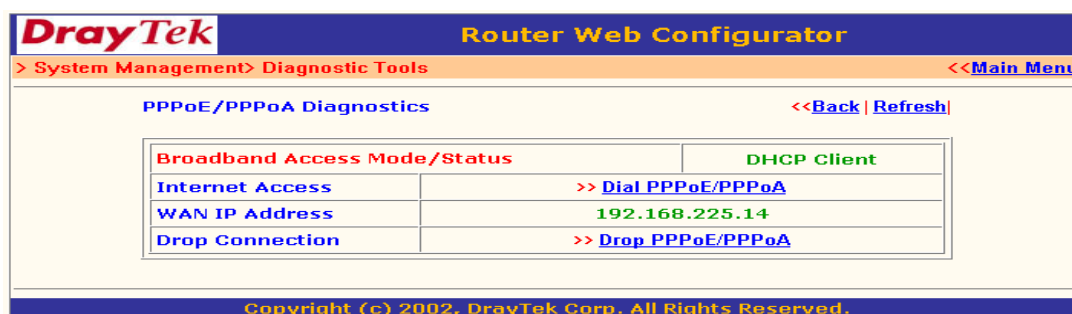
Diagnostic Tools provide useful tools for viewing or diagnosing the router. Click **Diagnostic Tools** to enter the following page. Following sections will explain details for each tool.



## Configuration

### - PPPoE / PPPoA Diagnostics

Click here to open the following page. The page shown here is for reference only; individual networks will show different results.



**Refresh:** To obtain the latest information, click here to reload the page.

**Broadband Access Mode/Status:** Display the broadband access mode and status. If the broadband connection is active, it will show **PPPoE**, **PPPoA**, **Static IP**, or **DHCP Client** depending on which access mode is enabled. If the connection is idle, it will show “---”.

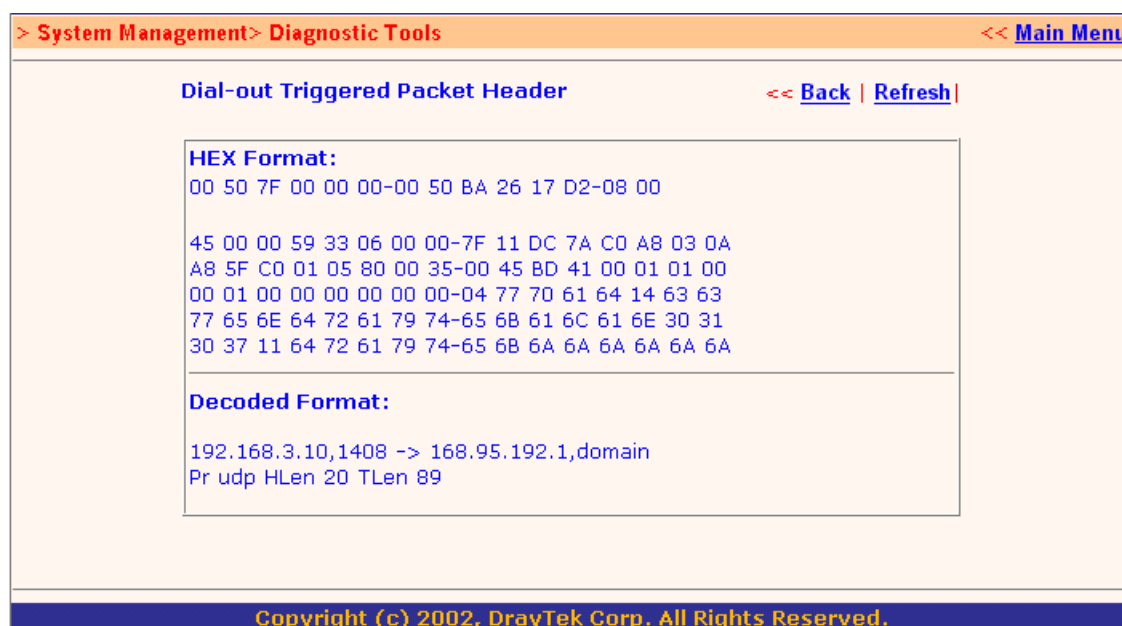
**WAN IP Address:** The WAN IP address for the active connection.

**Dial PPPoE or PPPoA:** Click to force the router to establish a PPPoE or PPPoA connection.

**Drop PPPoE or PPPoA:** Click to force the router to disconnect the current active PPPoE or PPPoA connection.

## - Triggered Dial-out Packet Header

Triggered Dial-out Packet Header shows the last IP packet header that triggered the router to dial out.



**Refresh:** Click to reload the page.

## - View Routing Table

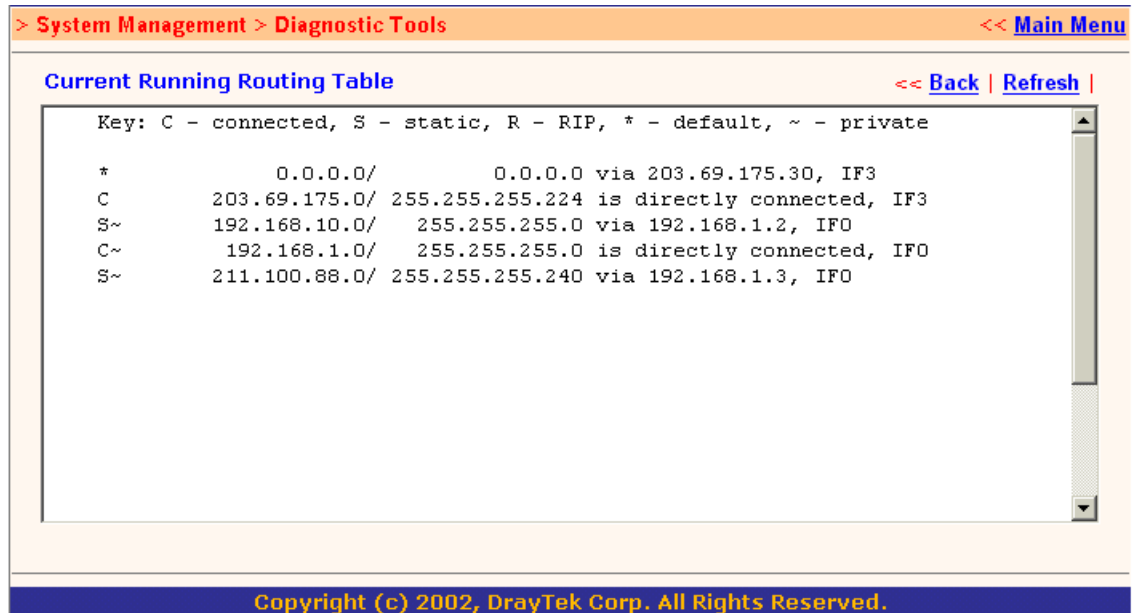
Click **View Routing Table** to view the router's routing table.

The table provides current IP routing information held in the router. To the left of each routing rule you will see a key. These keys are defined as:

- C** --- Directly connected.
- S** --- Static route.
- R** --- RIP.
- \*** --- Default route.
- ~** --- Routes for private routing domain.

To the right of each routing rule you will see an interface identifier:

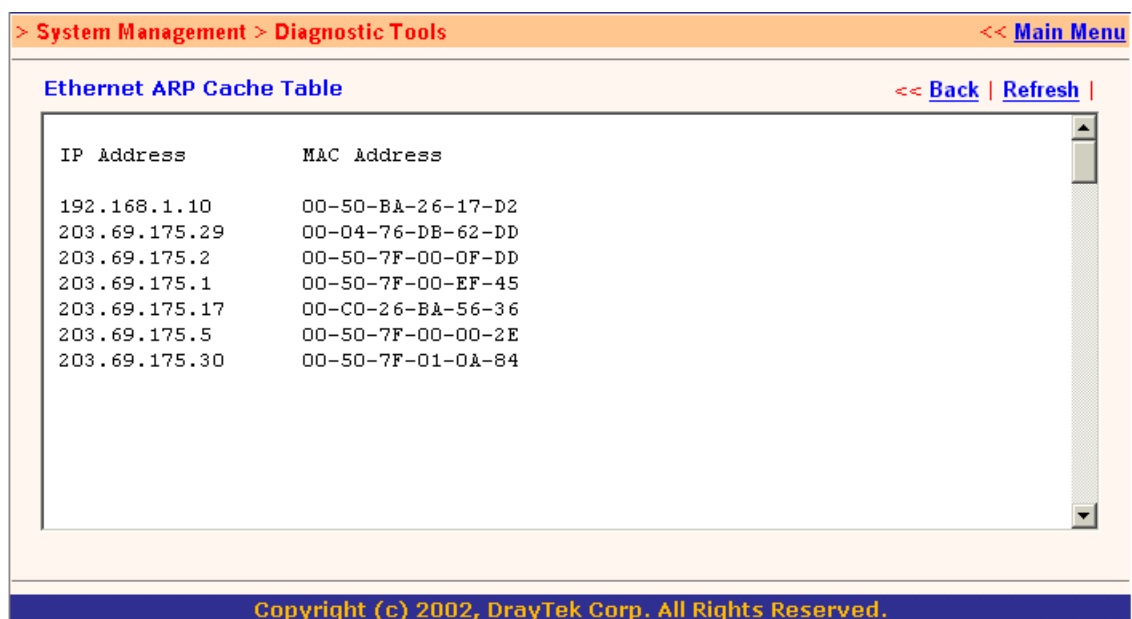
- IF0** --- Local LAN interface.
- IF3** --- WAN interface.



**Refresh:** Click to reload the page.

## - View ARP Cache Table

Click **View ARP Cache Table** to view the ARP (Address Resolution Protocol) cache held in the router. The table shows a mapping between an Ethernet hardware address (MAC Address) and an IP address.



**Refresh:** Click to reload the page.

## - View DHCP Assigned IP Addresses

**View DHCP Assigned IP Addresses** provides information on IP address assignments. This information is helpful in diagnosing network problems, such as IP address conflicts, etc.

> System Management > Diagnostic Tools

<< Main Menu

DHCP IP Assignment Table

<< Back | Refresh |

DHCP server: Running

Index	IP Address	MAC Address	Leased Time	HOST ID
1	192.168.1.1	00-50-7F-04-00-01	FIXED IP	
2	192.168.1.11	00-50-BA-12-FB-0D	00:00:01.440	fsh

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## - View NAT Port Redirection Running Table

If you have configured **Port Redirection** (under **NAT Setup**), click to verify that your settings are correct for redirecting specific port numbers to specified internal users.

> System Management > Diagnostic Tools

<< Main Menu

NAT Port Redirection Running Table

<< Back | Refresh |

NAT Port Redirection Running Table

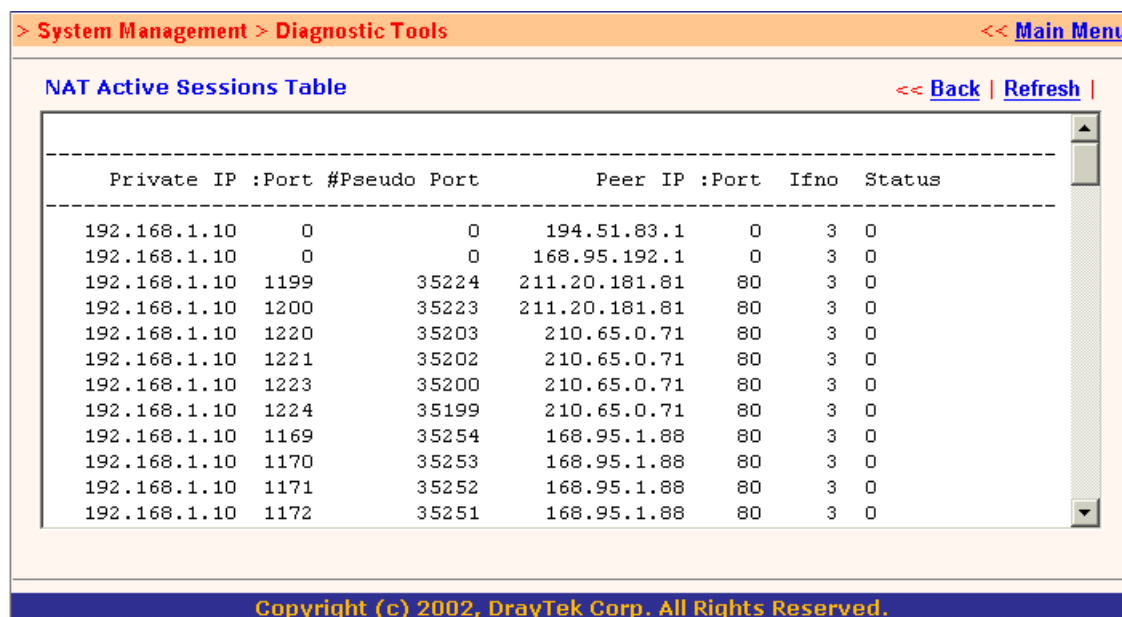
Index	Protocol	Public Port	Private IP	Private Port
1	6	80	192.168.3.10	80
2	6	21	192.168.3.10	21
3	6	25	192.168.3.10	25
4	0	0	0.0.0.0	0
5	0	0	0.0.0.0	0
6	0	0	0.0.0.0	0
7	0	0	0.0.0.0	0
8	0	0	0.0.0.0	0
9	0	0	0.0.0.0	0
10	0	0	0.0.0.0	0

Protocol: 0 = Disable, 6 = TCP, 17 = UDP

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## - View NAT Active Sessions Table

As the router accesses the Internet through the built-in NAT engine, click **View NAT Active Sessions Table** to see which active outgoing sessions are online.



The screenshot shows a web interface with a navigation bar at the top containing "> System Management > Diagnostic Tools" and "<< Main Menu". Below the navigation bar is the title "NAT Active Sessions Table" with links "<< Back | Refresh |". The main content area displays a table of active NAT sessions. The table has columns: Private IP :Port, #Pseudo Port, Peer IP :Port, Ifno, and Status. There are 12 rows of data. The bottom of the interface has a blue footer bar with the text "Copyright (c) 2002, DrayTek Corp. All Rights Reserved."

Private IP :Port	#Pseudo Port	Peer IP :Port	Ifno	Status
192.168.1.10 0	0	194.51.83.1 0	3	0
192.168.1.10 0	0	168.95.192.1 0	3	0
192.168.1.10 1199	35224	211.20.181.81 80	3	0
192.168.1.10 1200	35223	211.20.181.81 80	3	0
192.168.1.10 1220	35203	210.65.0.71 80	3	0
192.168.1.10 1221	35202	210.65.0.71 80	3	0
192.168.1.10 1223	35200	210.65.0.71 80	3	0
192.168.1.10 1224	35199	210.65.0.71 80	3	0
192.168.1.10 1169	35254	168.95.1.88 80	3	0
192.168.1.10 1170	35253	168.95.1.88 80	3	0
192.168.1.10 1171	35252	168.95.1.88 80	3	0
192.168.1.10 1172	35251	168.95.1.88 80	3	0

Each line across the screen indicates an active session. The following information is displayed:

**Private IP, Port:** The internal user's (PC's) IP address and port number.

**#Pseudo Port:** The public port number.

**Peer IP, Port:** The peer user's (PC's) IP address and port number.

**Ifno:** Stands for interface number. The definition is listed below:

0 --- LAN interface.

3 --- WAN interface.